

IN THE CLAIMS

1. A waste bin structure comprising:

an inner barrel (10), an outer barrel (20), and a barrel lid (30), said inner barrel (10) received in said outer barrel (20), a connecting portion (21) mounted on a rear end of an inner rim of said outer barrel (20), said connecting portion (21) having a top face integrally formed with a cover (210), said cover (210) having a front end provided with two hanging shafts (211), said barrel lid (30) having a distal end provided with two hanging ears (31) each snapped on said hanging shaft (211) of said cover (210) so that said barrel lid (30) covers a top edge of said outer barrel (20), said barrel lid (30) provided with a locking portion (32) that is opened and closed by triggering, so that said barrel lid (30) can be opened by triggering action, said connecting portion (21) of said outer barrel (20) having a center defining a channel (212), a linking lever (22) received in said channel (212) and having a first end formed with a horizontal bent portion passing through a protruding ear (33) of a bottom of a rear end of said barrel lid (30), and a second end passing through a front end of said outer barrel (20) and pivoted with a pedal (23) which may be stepped on so that said linking lever (22) pushes said lid cover (30) to pivot upward;

the improvement comprising:

said lid cover (30) including an inner cover (34) and an outer cover (35), said inner cover (34) placed in an inner rim of said outer cover (35), said locking portion (32) of said lid cover (30) mounted between said inner cover (34) and said outer cover (35), said inner cover (34) having a front end provided with a touch portion (340) that may be pressed so as to pivot said inner cover (34) to move upward independently, said top face of said connecting portion (21) of said outer barrel (20) having a front end defining a hanging recess (213), said inner barrel (10) having a rear side having a top edge provided with a hanging hook portion (11) secured in said hanging recess (213) of said connecting portion (21) of said outer barrel (20), said outer barrel (20) having a back side provided with a hood (240), a plurality of screws (242) each in turn extending through said hood (240), said outer barrel (20), and said connecting portion (21), so that said connecting portion (21) is secured inside of a top portion of said outer barrel (20), and said hood (240) is secured outside of said top portion of said outer barrel (20) to form a handle portion (24) of said outer barrel (20), such that said outer barrel (20) is portable, and said lid

cover (30) of said waste bin structure can be opened by a triggering action, and by a stepping action of a foot.

2. The waste bin structure of claim 15 further comprising, in combination: an inner barrel, with the inner barrel received in the outer barrel, with the barrel lid in the closed position extending over the inner barrel received in the outer barrel, with the barrel lid in the open position allowing access to the inner barrel received in the outer barrel.

3. The waste bin structure of claim 2 wherein the outer cover is in the form of an inner rim, with the inner cover located in the inner rim, with the locking portion mounted between the inner cover and the outer cover.

4. The waste bin structure of claim 2 further comprising, in combination: a hanging recess connected with the outer barrel; and a hanging hook portion provided on the inner barrel, with the hanging hook portion removably secured in the hanging recess to secure the inner barrel to the outer barrel.

5. The waste bin structure of claim 2 further comprising, in combination: a connecting portion mounted on the outer barrel, with the connecting portion including a top face having a front end defining the hanging recess, with the inner barrel having a rear side having a top edge provided with the hanging hook portion.

6. The waste bin structure of claim 5 further comprising, in combination: a cover integrally formed with the top face of the connecting portion, with the cover having a front end provided with two hanging shafts, with the outer cover having a distal end provided with two hanging ears each snapped on a corresponding one of the two hanging shafts for pivotally mounting the barrel lid to the outer barrel.

7. The waste bin structure of claim 5 further comprising, in combination: a protruding ear on a bottom of the outer rim, with the connecting portion having a center defining a channel, with the linking lever received in the channel, with the linking lever having a first end formed with a horizontal bent portion passing through the protruding ear, with the linking lever having a second end passing through a front end of the outer barrel and pivoted with the pedal.

8. The waste bin structure of claim 5 further comprising, in combination: a hood provided on a back side of the outer barrel; and a plurality of screws each in turn extending through the hood, the outer barrel, and the connecting portion so that the connecting portion is

secured inside the outer barrel and so that the hood is secured outside of the outer barrel to form a handle portion for the outer barrel such that the outer barrel is portable.

9. The waste bin structure of claim 2 further comprising, in combination: a touch portion provided on a front end of the inner cover and that may be pressed to release the locking portion.

10. The waste bin structure of claim 2 further comprising, in combination: an elastic portion provided on a rear end of an inner edge of the outer cover, with the inner cover being biased by elasticity of the elastic portion.

11. A waste bin structure comprising, in combination: an outer barrel having a top edge; and a barrel lid, with the barrel lid covering the top edge of the outer barrel, with the barrel lid including an inner cover and an outer cover, with the inner cover being pivotal for movement between a closed position and an open position, with the inner cover being biased from the closed position to the open position, with the inner cover in the closed position preventing access to the outer barrel, with the inner cover in the open position allowing access to the outer barrel between the inner and outer covers; and a locking portion so that the inner cover can move from the closed position to the open position by a triggering action, wherein the locking portion includes first and second clip hooks pressed to move toward each other; and a locking head, with the locking head having a locked state and a detachment state with the first and second clip hooks, with the locking head in the locking state holding the inner cover in the closed position and in the detachment state allowing the inner cover to move from the closed position to the open position.

12. The waste bin structure of claim 11 further comprising, in combination: a Y-shaped clip portion including the first and second clip hooks; a locking piece; a spring; and a T-shaped receiving seat, with the locking head having an arrow shape and being secured to the inner cover, with the outer cover defining a receiving recess receiving the T-shaped receiving seat, with the Y-shaped clip portion, the locking piece and the spring received in the T-shaped receiving seat.

13. The waste bin structure of claim 12 with the T-shaped receiving seat provided with a fixing piece for securing the T-shaped receiving seat in the receiving recess.

14. The waste bin structure of claim 11 with the barrel lid pivotally mounted to the outer barrel for movement between a closed position and an open position, with the barrel lid in the closed position covering the top edge of the outer barrel, with the barrel lid in the open position allowing access to the outer barrel between the top edge of the outer barrel and the barrel lid.

15. The waste bin structure of claim 14 further comprising, in combination: a pedal located outside of the outer barrel and which may be stepped upon; and a linking lever connected to the barrel lid and movable by stepping upon the pedal for moving the barrel lid from the closed position to the open position.